# SGM304, SGM365, SGM466



dacor
The Life of the Kitchen.®

## 30”, 36”, 46” Wide, Classic Drop-in Gas Cooktops

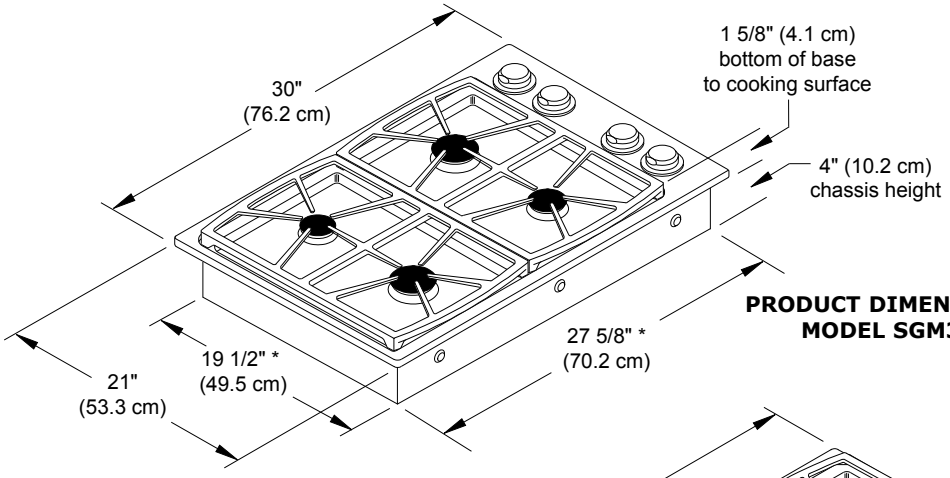
**PLANNING GUIDE**

**⚠ WARNING**

- Observe all governing codes and ordinances during planning and installation. Contact your local building department for further information.
- This appliance must be installed in accordance with the accompanying installation instructions.

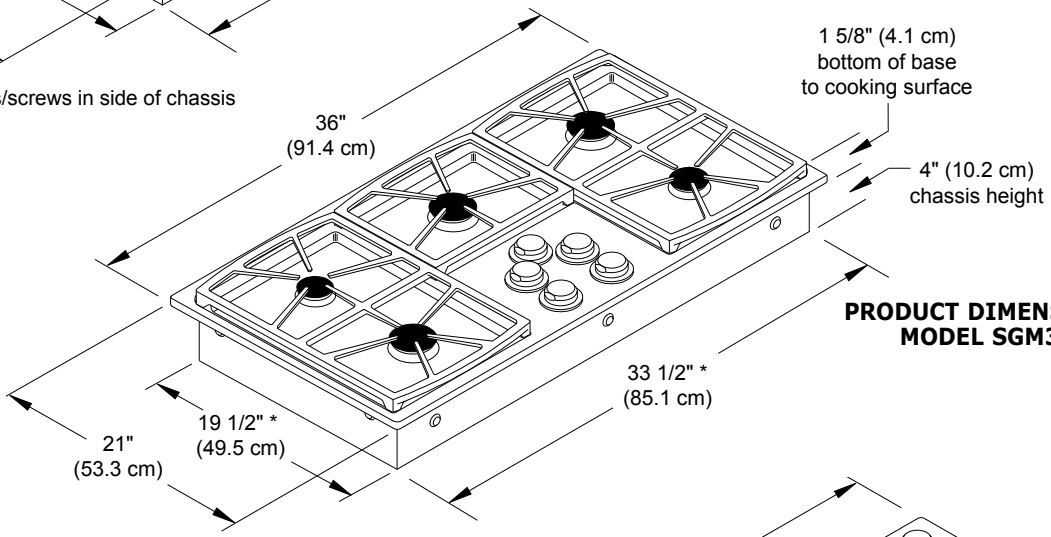
All tolerances ±1/16” (±1.6 mm), unless otherwise noted.

Family Owned
American Made



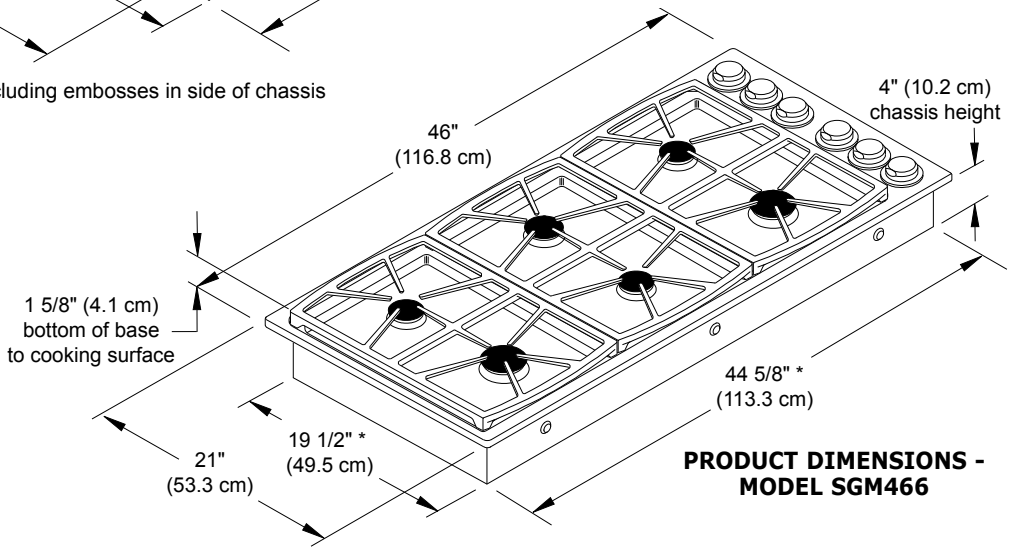

**PRODUCT DIMENSIONS - MODEL SGM304**

* including embosses/screws in side of chassis




**PRODUCT DIMENSIONS - MODEL SGM365**

* including embosses in side of chassis




**PRODUCT DIMENSIONS - MODEL SGM466**

* including embosses/screws in side of chassis

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**PLANNING GUIDE**

## Electrical Requirements

**⚠ WARNING**

To prevent an electric shock hazard, the power supply must meet the specifications stated below. It is the owner’s responsibility to make sure that the electrical service meets electrical requirements and that the electrical outlet has been properly installed.

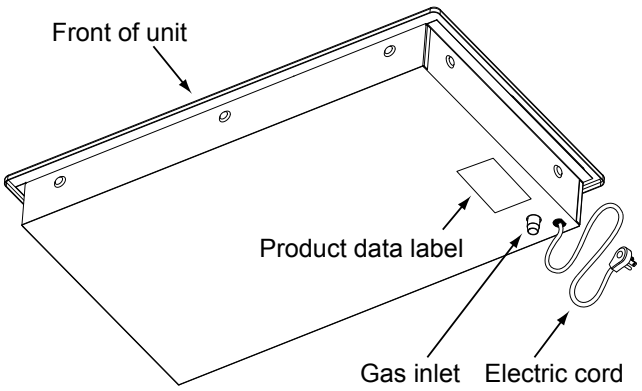
◊ The cooktop is supplied with a factory installed, 40-inch, three-prong, grounding electrical plug. It is connected to the chassis at the bottom right rear corner (see Chassis Bottom Diagram below). It must be connected to a dedicated, grounded three-prong electrical outlet installed by a licensed electrician.

◊ The electrical installation, including minimum supply wire size and grounding, must be done in accordance with National Electric Code ANSI/NFPA 70* and local codes and ordinances. A copy of this standard may be obtained from:

National Fire Protection Association
1 Batterymarch Park
Quincy, Massachusetts 02269-9101

◊ The correct voltage, frequency and amperage must be supplied to the electrical outlet according to the product data label located on the bottom of the chassis. See the Gas and Electrical Requirements table on this page for reference.

◊ Be certain to locate the electrical outlet so that the power cord may be easily disconnected if the unit needs service.




**CHASSIS BOTTOM DIAGRAM**

## Gas Supply Requirements

◊ Be certain that the cooktop being installed is correct for the gas service being provided (natural gas or LP gas). Also, if operating the cooktop at an altitude above 4000 ft. (1219 m) make sure it is equipped for high altitude operation.

◊ Units equipped for LP operation have “LP” in the model number listed on the product data label. See the Chassis Bottom Diagram for label location.

◊ Units equipped for high altitude operation have an “H” at the end of the model number listed on the product data label.

◊ Check your local building codes for the proper method of installation. In the absence of local codes, this appliance should be installed in accordance with the National Fuel Gas Code ANSI Z223.1/NFPA 54.

◊ An external manual shut-off valve must be installed between the gas inlet and the cooktop for the purpose of turning on or shutting off gas to the appliance.

◊ The cooktop comes from the factory with a regulator in the shipping carton. Use only the regulator provided. The regulator must be installed in the gas line that runs from the cooktop gas inlet to the gas shut off valve.

◊ Models SGM304 and SGM365 come with a 1/2” regulator. Model SGM466 comes with a 3/4” regulator, approved for connection to a 1/2” house gas supply.

The cooktop gas connection is located on the bottom of the cootktop in the back right corner as you face the front of the unit. See the ***Chassis Bottom Diagram*** on this page.

| | **SGM304<br>SGM365<br>SGM466** | **SGM304LP<br>SGM365LP<br>SGM466LP** |
|---|---|---|
| Gas type | Natural | LPG |
| Manifold pressure | 4” Water column | 10” Water column |
| Min. gas supply pressure** | 5” Water column | 11” Water column |
| Max. gas supply pressure | 1/2 p.s.i. | 1/2 p.s.i. |
| Total connected load | 0.25 Amp.<br>(0.03 kW) | 0.25 Amp.<br>(0.03 kW) |
| Circuit requirement | 120 Vac,<br>60 Hz, 15 Amp. | 120 Vac,<br>60 Hz, 15 Amp. |

**GAS AND ELECTRICAL REQUIREMENTS***

* The electrical and gas data on this page is for reference only. If the above data does not agree with the product data label, use the data on the product data label.

** The gas supply pressure for testing the regulator setting shall be at least 1 inch water column (249 Pa) above the specified manifold pressure.

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**PLANNING GUIDE**

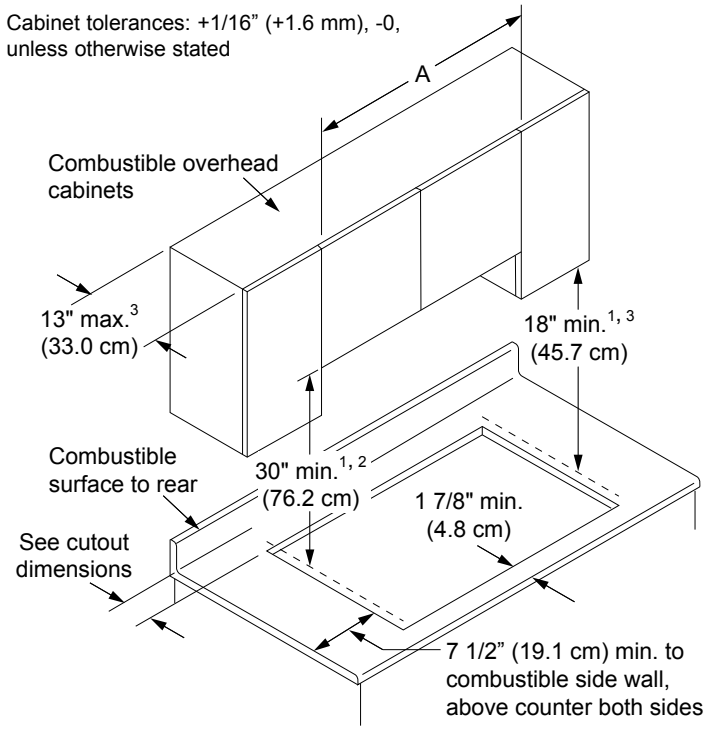
### Cabinet and Countertop Layout

**⚠ WARNING**

- To reduce the risk of personal injury caused by reaching over a hot appliance, avoid locating cabinet storage space directly above the cooktop.
- Failure to meet or exceed the maximum and minimum dimensions/clearances stated in these instructions may result in a fire hazard.
- Follow the countertop manufacturer’s instructions regarding the minimum corner radius, use of heat reflective tape, reinforcement of corners, etc.

◊ Carefully check the location where the cooktop will be installed. For best performance, the cooktop should be placed away from drafts that may be caused by doors, windows and heating and air conditioning outlets.

◊ This appliance is to be used in conjunction with a suitable vent hood or approved Dacor raised vent system.


Cabinet tolerances: +1/16” (+1.6 mm), -0, unless otherwise stated
A
Combustible overhead cabinets
13" max.[3] (33.0 cm)
18" min.[1, 3] (45.7 cm)
Combustible surface to rear
30" min.[1, 2] (76.2 cm)
1 7/8" min. (4.8 cm)
See cutout dimensions
7 1/2” (19.1 cm) min. to combustible side wall, above counter both sides

[1] Measured from cooking surface (top of cooktop grate).

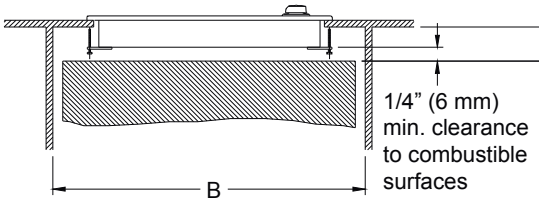
[2] If installing with an overhead vent hood, also check hood specifications for minimum required clearances.

[3] Not applicable for cabinets more than a horizontal distance of 6” (15.2 cm) from edge of cooktop. Allow 7 1/2” (19.1 cm) from edge of cutout.

**MINIMUM REQUIRED CLEARANCES AROUND THE COOKTOP**

| Model | (A) Minimum | (A) Recommended |
|---|---|---|
| SGM304 | 30” (76.2 cm) | 36” (91.4 cm) |
| SGM365 | 36” (91.4 cm) | 42” (106.7 cm) |
| SGM466 | 48” (121.9 cm) | 54” (137.2 cm) |

◊ Allow a minimum 1/4” (6 mm) clearance between the bottom of the cooktop chassis and all combustible surfaces, including the upper edge of a drawer installed below the cooktop.




**Under Cabinet Clearances**

| Model | (B) Minimum* |
|---|---|
| SGM304 | 29” (73.7 cm) |
| SGM365 | 35 1/4” (89.5 cm) |
| SGM466 | 46” (116.8 cm) |

* To allow clearance for hold down brackets

◊ The gas supply piping, gas shut-off valve and the electrical outlet must be located so they do not interfere with the cooktop when it is installed. If installing another appliance in the cabinet below, allow for the routing of gas and electrical service behind it.

**The installation must allow for the following:**

◊ Access to the gas shut-off valve and regulator when the unit is installed.

◊ Access to the electrical outlet when the cooktop is in place. The 40” (101.6 cm) power cord must be able to reach the electrical outlet

◊ Access to the underside of the cooktop for service and inspection purposes

◊ Clearance inside the cabinet to allow for proper hold down bracket installation.

To allow access to the utilities and cooktop bottom, a fixed shelf should not be installed below the cooktop. See the following pages for countertop cutout dimensions.

### Raised Vent Compatibility

If installing the cooktop with a raised vent, install only the approved Dacor model numbers specified below:

| Cooktop Models | Approved Raised Vent Models |
|---|---|
| SGM304 | ERV30, PRV30 or RV30 |
| SGM365 | ERV36, PRV36 or RV36 |
| SGM466 | PRV46 or RV46 |

## Cutout Dimensions

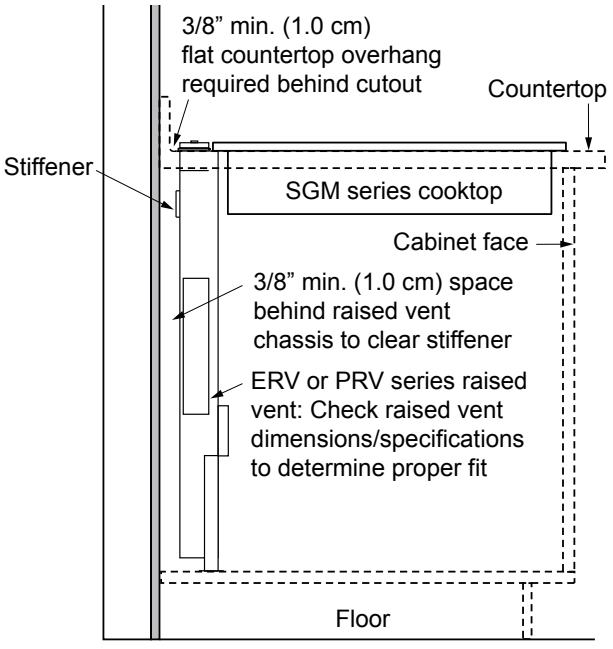
Cutout tolerances +1/16” (+1.6 mm), -0, unless otherwise noted

**IMPORTANT:** Be careful to use the correct cutout diagram (on page 5/5) to determine the countertop dimensions for the installation type. Carefully double check all dimensions against the table below and the correct diagram before cutting the countertop.

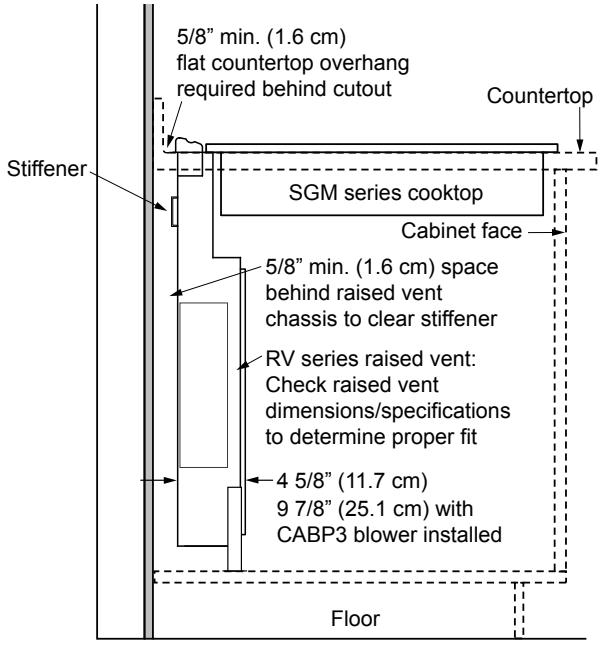
| Countertop Dimensions | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Installation Type** | **Cutout Diagram** | **(C) Min.** | **(D)** | **(E)** | **(F)** | **(G)** | **(H)** |
| SGM304 without raised vent | Figure 1 (Square) | 2 7/8” (7.3 cm) | 19 3/4” (50.2 cm) | 27 3/4” (68.6 cm) | NA | NA | NA |
| SGM304 with ERV30 or PRV30 | Figure 1 (Square) | 3/8” (1.0 cm) | 22 1/2” * (57.2 cm) | 27 3/4” (68.6 cm) | NA | NA | NA |
| SGM304 with RV30 | Figure 1 (Square) | 5/8” (1.6 cm) | 22 1/4” * (56.5 cm) | 27 3/4” (68.6 cm) | NA | NA | NA |
| SGM365 without raised vent | Figure 1 (Square) | 2 7/8” (7.3 cm) | 19 3/4” (50.2 cm) | 33 5/8” (85.4 cm) | NA | NA | NA |
| SGM365 with ERV36 or PRV36 | Figure 1 (Square) | 3/8” (1.0 cm) | 22 1/2” * (57.2 cm) | 33 5/8” (85.4 cm) | NA | NA | NA |
| SGM365 with RV36 | Figure 1 (Square) | 5/8” (1.6 cm) | 22 1/4” * (56.5 cm) | 33 5/8” (85.4 cm) | NA | NA | NA |
| SGM466 without raised vent | Figure 1 (Square) | 2 7/8” (7.3 cm) | 19 3/4” (50.2 cm) | 44 3/4” (113.7 cm) | NA | NA | NA |
| SGM466 with PRV46 | Figure 2 (Notched) | 3/8” (1.0 cm) | 22 1/2” * (57.2 cm) | 44 3/4” (113.7 cm) | 43 1/2” (110.5 cm) | 5/8” (1.6 cm) | 2 5/8” ** (6.7 cm) |
| SGM466 with RV46 | Figure 2 (Notched) | 5/8” (1.6 cm) | 22 1/4” * (56.5 cm) | 44 3/4” (113.7 cm) | 43 1/2” (110.5 cm) | 5/8” (1.6 cm) | 2 5/8” ** (6.7 cm) |

* Total cutout depth, accommodates both the cooktop and raised vent

** **IMPORTANT:** Notch depth is included in total cutout depth (D). **DO NOT** add notch depth to total cutout depth (D).




**SIDE VIEW - SGM SERIES COOKTOP WITH ERV OR PRV SERIES RAISED VENT**




**SIDE VIEW - SGM SERIES COOKTOP WITH RV SERIES RAISED VENT**

Cutout tolerances +1/16” (+1.6 mm), -0, unless otherwise noted

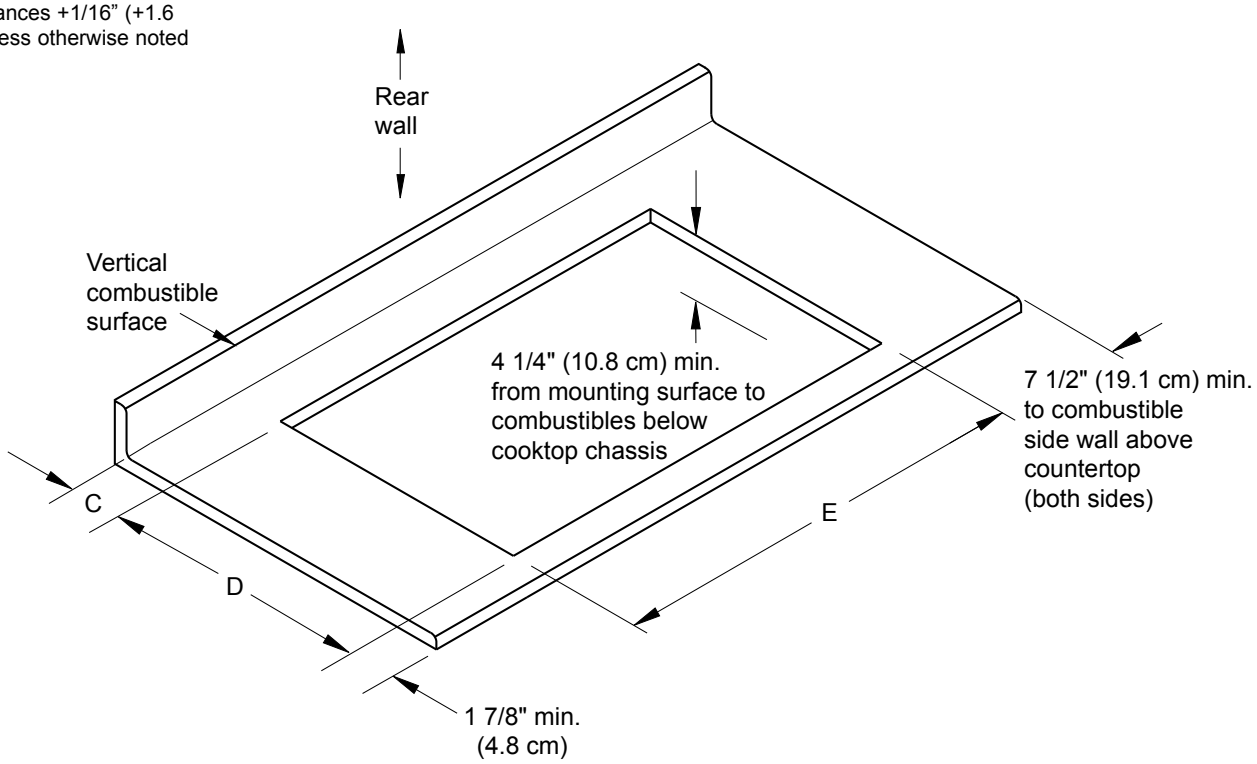

Rear wall
Vertical combustible surface
4 1/4" (10.8 cm) min. from mounting surface to combustibles below cooktop chassis
7 1/2" (19.1 cm) min. to combustible side wall above countertop (both sides)
C
D
E
1 7/8" min. (4.8 cm)

**FIGURE 1 - SQUARE COUNTERTOP CUTOUT DIAGRAM**

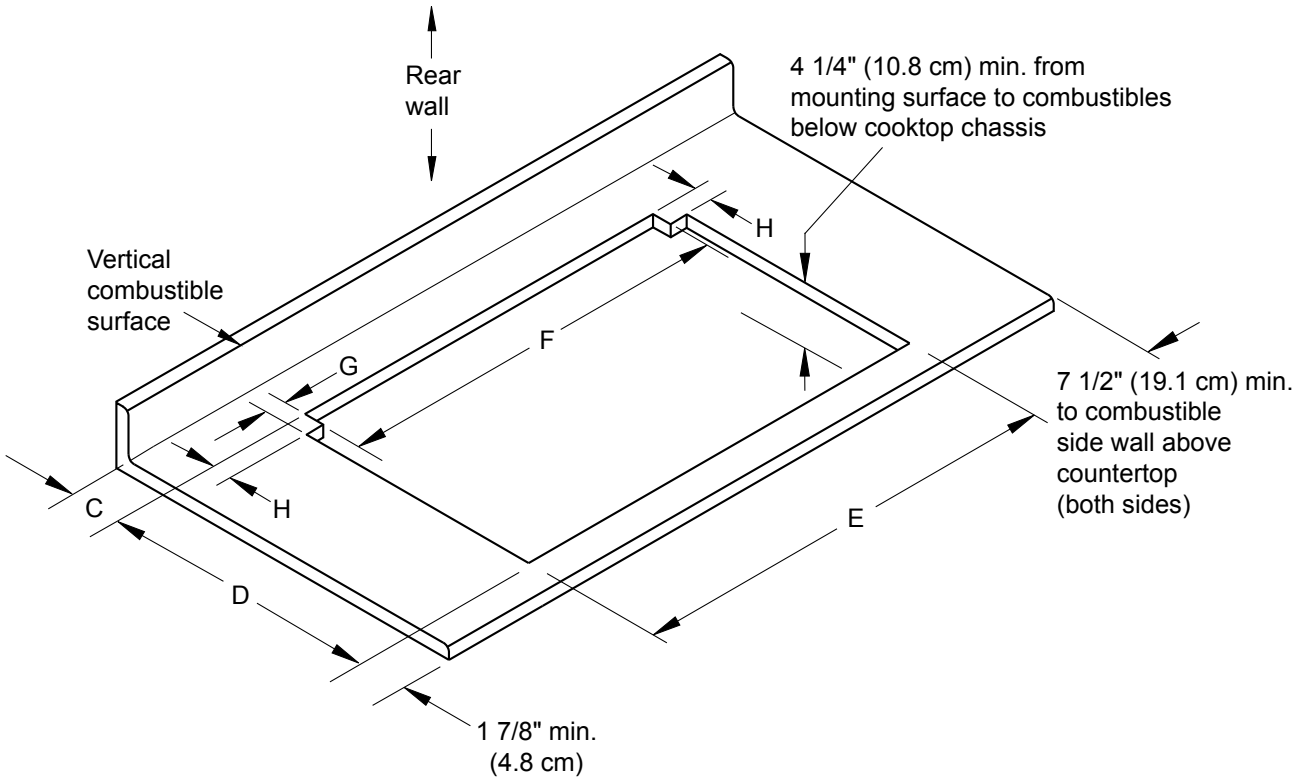



**FIGURE 2 - NOTCHED COUNTERTOP CUTOUT DIAGRAM**